

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001885

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B21C 47/26, B21C 9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B21C, C22F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 3050507 C1 (VSESOJUZYNYI NAUCNO-ISSLEDOVATEL' SKIJ INSTITUT METIZNOJ PROMYSLENNOSTI VNIIMETIZ), 6 Sept 1984 (06.09.1984), column 4, line 14 - line 23, figure 1 --	1,8
A	GB 1446946 A (DEMAG AKTIENGESELLSCHAFT), 18 August 1976 (18.08.1976), page 3, line 83 - page 4, line 24, figures 2-5 --	1,8
A	JP 64-048619 A (NIPPON STEEL CORP), 23 February 1989 (23.02.1989), figure 1, abstract, & JP 64-048619 A --	1,8

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

10 March 2004

Date of mailing of the international search report

11-03-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4062528 A (CARLO OLIVERO), 13 December 1977 (13.12.1977), figure 1, abstract</p> <p>-- -----</p>	1,8

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INTERNATIONAL SEARCH REPORT
Information on patent family members

27/02/2004

International application No.
PCT/SE 2003/001885

DE	3050507	C1	06/09/1984	NONE			
GB	1446946	A	18/08/1976	DE	2243909	A,B,C	28/03/1974
				JP	994504	C	22/04/1980
				JP	49065361	A	25/06/1974
				JP	54025485	B	28/08/1979
JP	64-048619	A	23/02/1989	NONE			
US	4062528	A	13/12/1977	BR	7700312	A	20/09/1977
				DE	2701828	A	21/07/1977
				FR	2338330	A	12/08/1977